

C&DH

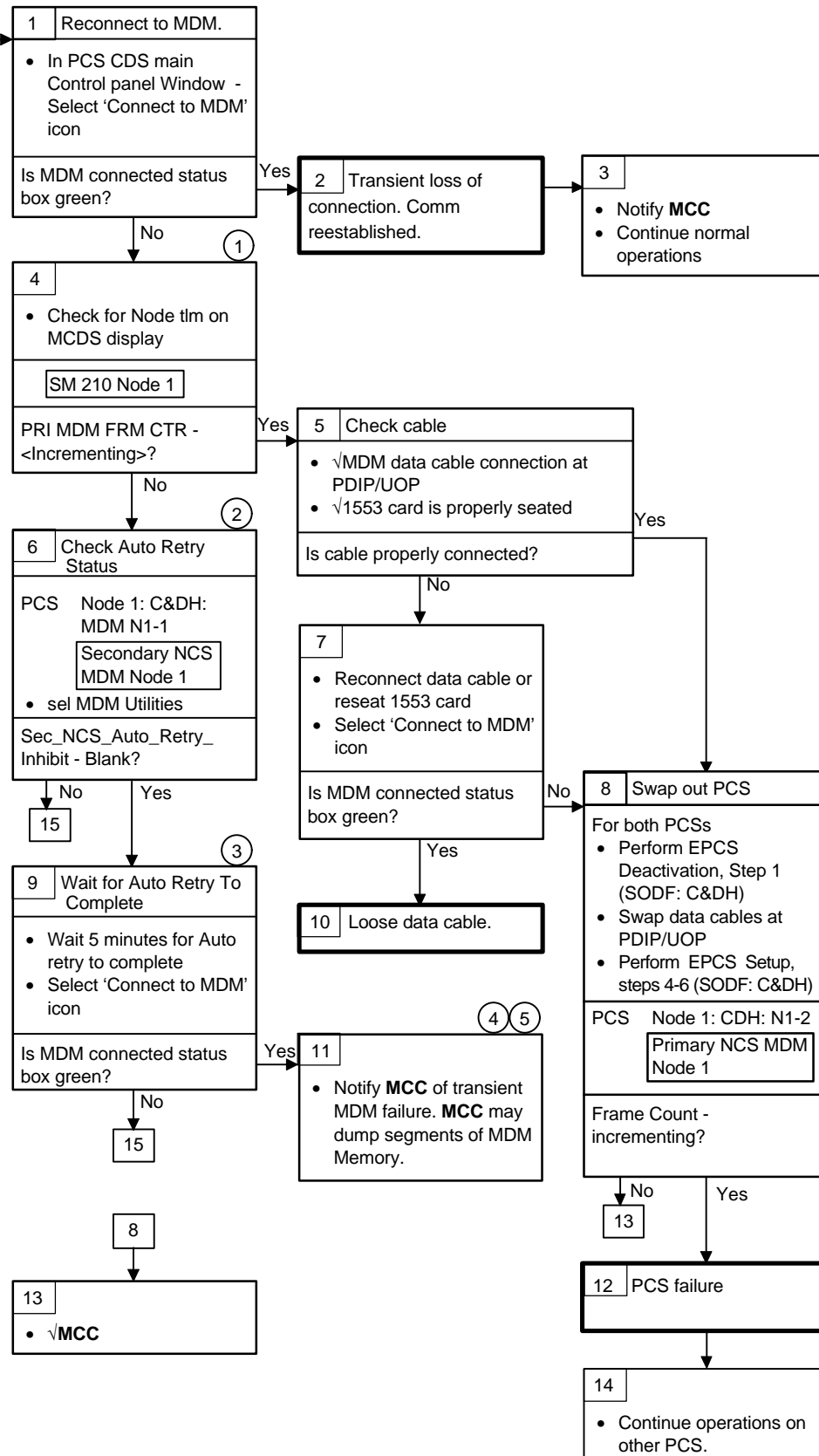
LOSS OF PCS TELEMETRY

PCS
MDM
Connection
Failed Message
Box

User Notification
Connect Box
status - Yellow

PCS Node 1:
CDH: MDM1-2
Frame Count -
not incrementing

Nominal Config:
MDM N1-2 - Prim
MDM N1-1 - Sec
One PCS connected
to N1-1
One PCS connected
to N1-2



①
Checking MCDS for updating Frame Count verifies Node MDM is outputting telemetry.

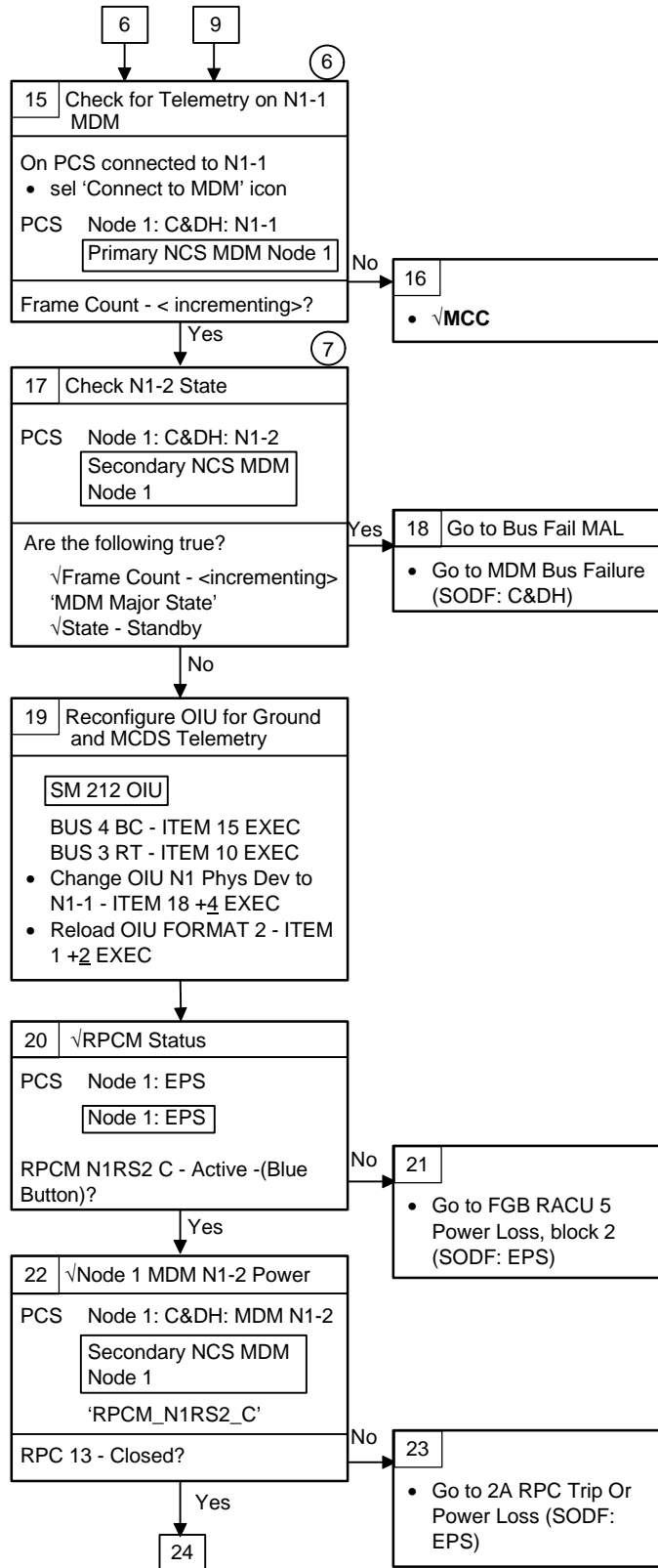
②
Data will be static. PCS maintains the last valid status of Secondary MDM autoretry status after telemetry is lost.

③
Auto Retry will power cycle failed MDM and Command it back to Primary.

④
MCC may dump EEPROM Error log buffer to determine the cause of MDM failure.

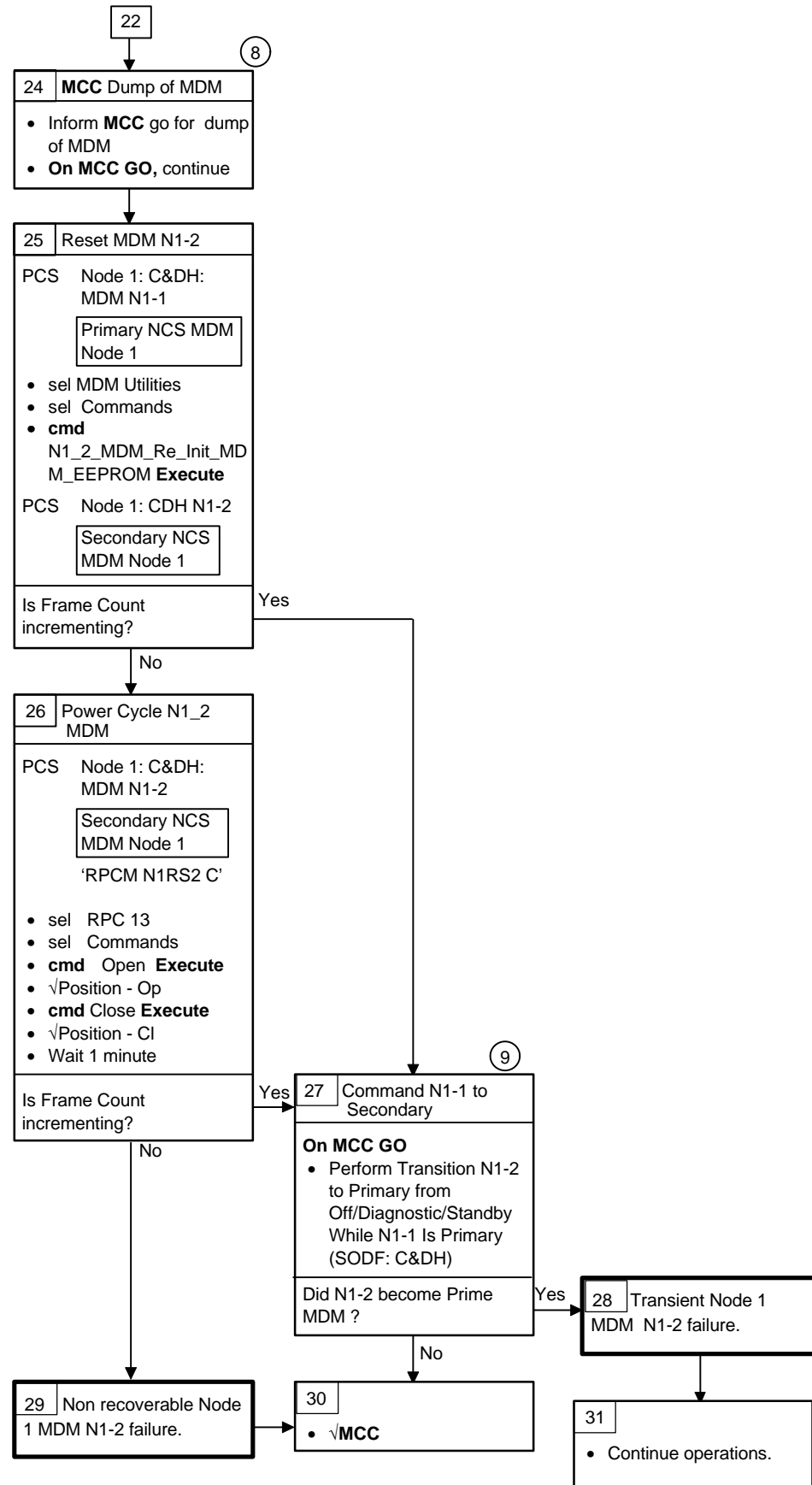
⑤
MCC will reset Auto Retry Counter.

LOSS OF PCS TELEMETRY (Cont)



⑥
If N-2 has failed, N1-1 will automatically take over as primary.

⑦
If UB Orb N1-2 Bus fails, N-2 will command itself to standby and wait longer than normal allowing N1-1 to become primary MDM.



8 **MCC** may dump All or part of MDM memory.

9 Commanding N1-1 to Secondary will allow N1-2 to become Prime.

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